

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WV OIL AND GAS CONSTRUCTION STORMWATER PERMIT**

FACILITY NAME:	Mountain Valley Pipeline Project			REG. #	EXPIRE DATE:
PERMITTEE	MOUNTAIN VALLEY PIPELINE, LLC			WVR310667	12/1/2020
ADDRESS/PHONE:	Attn: MATTHEW HOOVER 625 LIBERTY AVE, ST 1700 PITTSBURG, PA 15222 (724)873-3645				
LOCATION:	Spread E MP143 to MP152.2 approx. and AR #182			Entry Date/Time:	8-14-2019 @ 13:00
COUNTY:	Greenbrier			Exit Date/Time:	8-14-2019 @ 17:00
Site Representative /Phone	Jonathan Houde, LEI Spread E, 304 575-6113 Jon Larson, EC Spread E, Price Gregory, 309 333-7379			PHOTOS <input checked="" type="checkbox"/>	
CO-PERMITTEE:				ADDRESS:	
SITE OPERATOR:	Price Gregory			ADDRESS:	920 Memorial Way, Ste 600, Houston TX, 77024
PERMITTED ACREAGE	4311	WEATHER:	Sunny	LAST INSPECTION:	N/A
RECEIVING STREAM(S)	UNTs/Meadow Rv/New Rv/Kanawha Rv				NOV: 0
Regular Mail <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/>		Tracking #			
OVERALL FACILITY RATING:	Satisfactory		COMPLIANCE OUTCOME	No Violation	

PERMIT / SITE EVALUATION

S-Satisfactory	U-Unsatisfactory	N/A-Not Applicable	N/O-Not Observed	N/D Not Determined	M-Marginal	Y-Yes	N-No
1. PERIMETER CONTROLS	S	9. HOUSEKEEPING/SOLID WASTE	S	17. CONCRETE WASHOUT			N/A
2. DIVERSIONS/DITCH CHECKS	S	10. RECORDS, REPORTS & PLANS ON SITE	N/O	18. PUBLIC NOTICE SIGN			N/O
3. SEDIMENT TRAPS/BASINS	N/A	11. STABLE CONSTRUCTION ENTRANCE	S	19. SEDIMENT LADEN WATER LEAVING SITE			N/O
4. OUTLET MARKERS	N/A	12. MUD ON ROADWAY/DUST	S	20. CONDITIONS NOT ALLOWABLE			S
5. WASTE/BORROW SITES	N/A	13. APPROPRIATE BMP'S IMPLEMENTED	S	21. SWPPP/ GPP/PERMIT COMPLIANCE			S
6. OPERATIONS & MAINTENANCE	S	14. FILL SLOPE PROTECTION	S	22. ORDER COMPLIANCE			N/A
7. WATER BARS	S	15. DEVICES INSTALLED IN TIMELY MANNER	S	23. OTHER:			N/A
8. STABILIZATION PRACTICES	S	16 DROP INLET PROTECTION	N/A	24. OTHER:			N/A

COMMENTS DEFICIENCIES AND RECOMMENDATIONS

COMMENTS:

A partial inspection of MVP Spread E was conducted to investigate complaints filed by the WV Rivers Coalition. Complaints titled "Greenbrier 1" through "Greenbrier 10" were investigated, these are identified as "*Complaint #*" in the SITE EVALUATION/RECOMMENDATIONS section. In addition, two areas were evaluated where reported upsets occurred. Site inspections were conducted in the aforementioned areas between milepost (MP) 143 and MP 152.2 and access road (AR) 182. Overall the inspected areas were in satisfactory condition. No deficiencies warranting a Notice of Violation were noted. The majority of the ROW on this portion of the project has pipeline installed with stabilization being initiated at final grade.

SITE EVALUATION/RECOMMENDATIONS:

AR 182

Complaint 1: ROW at Crozier Rd. BMPs were in place and final restoration is ongoing.

Complaint 3: AR 182. Controls were in place to protect receiving wetland; road was adequately stabilized.

AR 182 (cont.)

Complaint 4: AR 182. No significant noncompliance was noted. Recommended additional stone on roadway at water crossing and protection on the downslope side of roadway.

Complaint 5: Intersection of AR 182 and ROW at St. 7596. Controls in place. Waterbars in place upgradient of open pipe trench both above and below AR 182.

Complaint 6: Bridge crossing wetland on AR 182. CFS in place on both ends of bridge and roadway is stabilized. Filter fabric along the side of bridge is in disrepair but also unnecessary. Recommended removal of bridge filter fabric.

Complaint 7: Northern terminus of AR182. Sediment loss of ROW was address in a previous inspection conducted by Jason Liddle. BMPs in this area have been significantly enhanced and sediment deposits have been remediated. The land disturbance in the area of the ROW has been put to final grade and stabilization measures have been initiated.

Complaint 8: Southern terminus of AR 182. BMPs were adequate, no impact to UNT of Meadow River was noted.

ROW of Spread E south of Rt. 60

Complaint 9: St. 8100 of ROW. Project at final grade with stabilization measures being initiated. BMPs for this phase of the project have been installed per the SWPPP.

Complaint 10: St. 8002+43 of ROW. BMPs in place in this area. There was evidence of stormwater discharging offsite into a large vegetative buffer, on a mild grade, far away from any receiving waterbody. There was a small amount of mulch present beyond the LOD. After a discussion it was agreed to add another layer of E and S control as an enhancement for assurance.

Spill/Upset sites

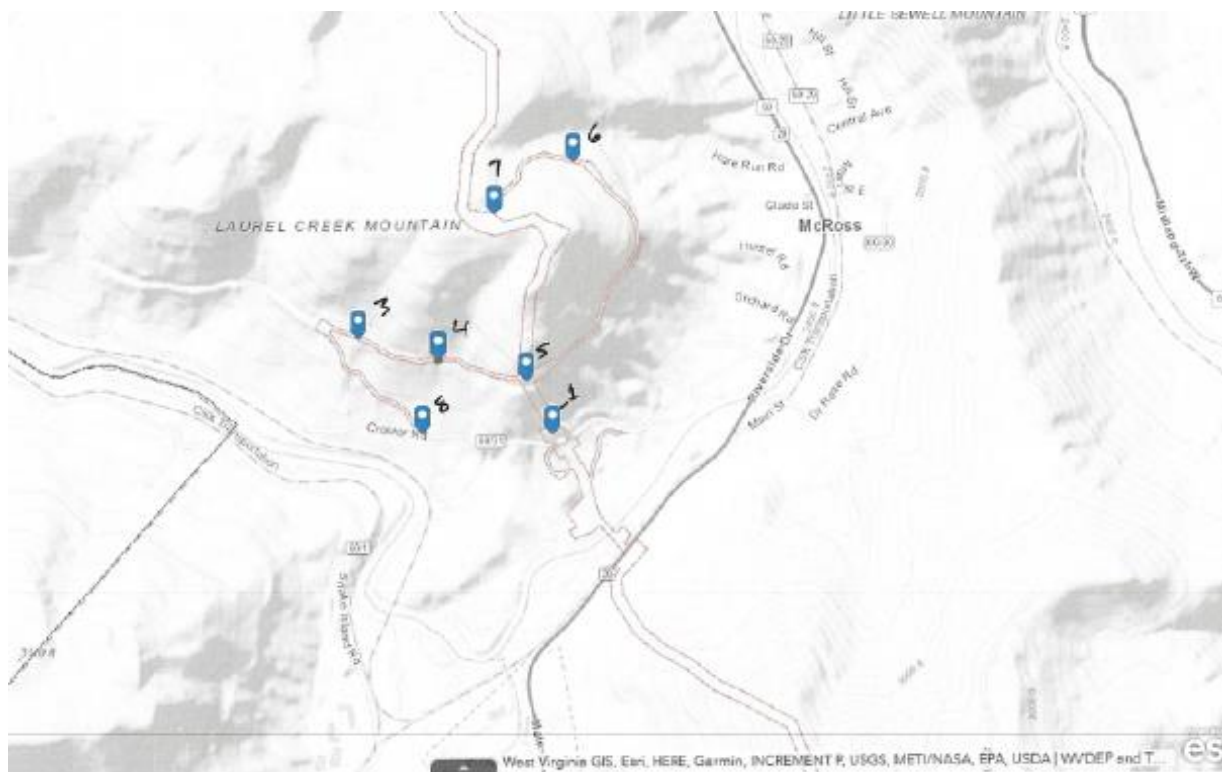
Wetland W-L19 at St. 7770+52. Anomalous rain event inundated controls resulting in deposits in wetland W-L19. Controls have been repaired and enhanced. Deposits have been removed from wetland area.

Wetland W-I2 at St. 7921. Anomalous rain event inundated controls resulting in deposits in wetland W-I2. Controls have been repaired and enhanced. Deposits to be removed from wetland area when feasible, area currently too saturated.

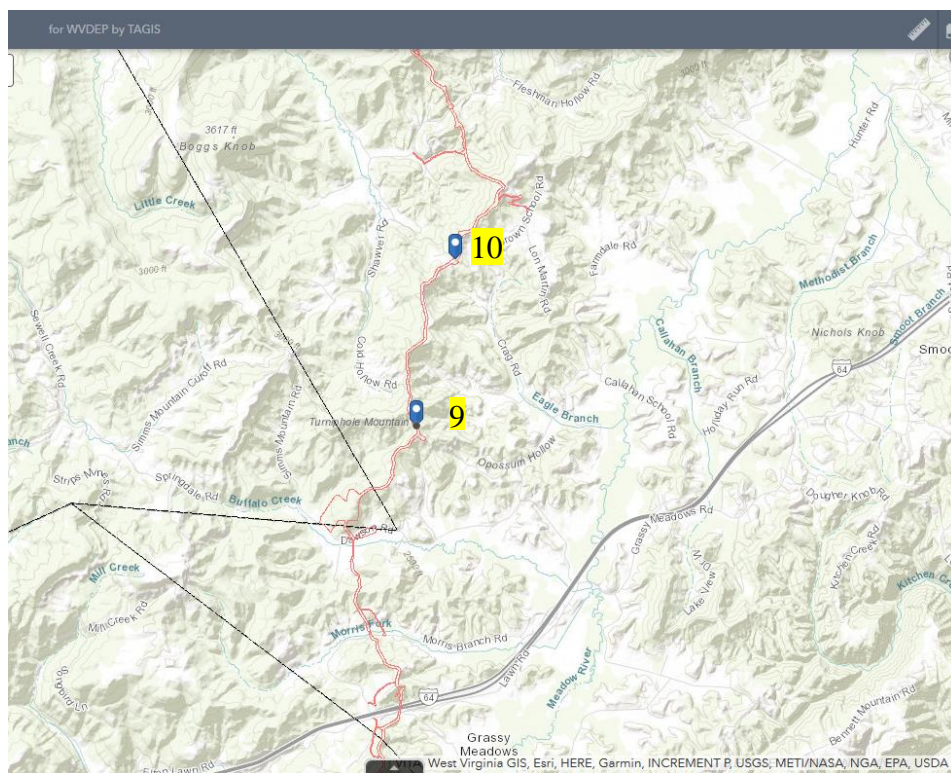
INSPECTOR: John Hendley



Telephone: (304)389-7650



Location on Spread E of complaints 1-8.



Location on Spread E of complaints 9 and 10.



Complaint 1: ROW at Crozier Rd. BMPs were in place and final restoration is ongoing.



Complaint 4: No significant noncompliance was noted. Recommended additional stone on roadway at water crossing and protection on the downslope side of roadway.



Complaint 5: Intersection of AR 182 and ROW at St. 7596. Controls in place. Waterbars in place upgradient of open pipe trench both above and below AR 182.



Complaint 6: Bridge crossing wetland. CFS in place on both ends of bridge and roadway is stabilized.



Complaint 7: Northern terminus of AR182.
BMPs in this area have been significantly enhanced and sediment deposits have been remediated.



Complaint 7: Northern terminus of AR182.

BMPs in this area have been significantly enhanced and sediment deposits have been remediated.



Wetland W-L19 at St. 7770+52. Anomalous rain event inundated controls resulting in deposits in wetland W-L19. Controls have been repaired and enhanced. Deposits have been removed from wetland area.



Wetland W-I2 at St. 7921. Anomalous rain event inundated controls resulting in deposits in wetland W-I2. Controls have been repaired and enhanced.



Wetland W-I2 at St. 7921. Deposits to be removed from wetland area when feasible, area currently too saturated.



Complaint 9: St. 8100 of ROW. BMPs for this phase of the project have been installed per the SWPPP. Area ready for seeding. 1 inch of rain the previous day showed no evidence of SLW leaving the ROW.



Complaint 9: St. 8100 of ROW. Area adjacent to previous photo showing progress of seed and mulch application.



Complaint 10: St. 8002+43 of ROW. BMPs in place in this area.



Complaint 10: St. 8002+43 of ROW. There was evidence of stormwater discharging offsite into a large vegetative buffer, on a mild grade, far away from any receiving waterbody. There was a small amount of mulch present beyond the LOD. After a discussion it was agreed to add another layer of E and S control as an enhancement for assurance.